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•Practice Limited to
Federal Agencies

November 4, 2003

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Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Art Unit 1636

Re: U.S. Utility Patent Application
Appl. No. 09/855,797; Filed: May 16, 2001
For: **Recombinational Cloning Using Nucleic Acids
Having Recombination Sites**
Inventors: HARTLEY *et al.*
Our Ref: 0942.285000G/RWE/BJD/JKM

Sir:

Transmitted herewith for appropriate action are the following documents:

1. Second Supplemental Information Disclosure Statement;
2. List of cited references on Form PTO-1449 (51 sheets);
3. A copy of each reference cited on Form PTO-1449 (167 documents: AL6-AM9, and AT62-AS112); and
4. One (1) return postcard.

It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier. In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

Commissioner for Patents
November 4, 2003
Page 2

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

A handwritten signature in black ink, appearing to read "Brian J. Del Buono", written over a horizontal line.

Brian J. Del Buono
Attorney for Applicants
Registration No. 42,473

RWE/BJD/JKM/acr
Enclosures

SKGF_DC1:194074.1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



In re application of:

HARTLEY *et al.*

Appl. No. 09/855,797

Filed: May 16, 2001

For: **Recombinational Cloning
Using Nucleic Acids Having
Recombination Sites**

Confirmation No. 2106

Art Unit: 1636

Examiner: Sandals, W.O.

Atty. Docket: 0942.285000G/RWE/BJD/JKM

Second Supplemental Information Disclosure Statement

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir:

Listed on accompanying Form PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98. The numbering on this Second Supplemental Information Disclosure Statement is a continuation of the numbering in Applicants' Information Disclosure Statement filed November 19, 2001, and Applicants' First Supplemental Information Disclosure Statement filed electronically herewith, in connection with the above-captioned application. A copy of each document is also provided.

The Examiner's attention is directed to the following co-pending U.S. Patent Applications, which are directed to related technical subject matter:

U.S. Patent Application No. 09/177,387, Hartley *et al.*, filed October 23, 1998, and submitted herewith as document AR109;

U.S. Patent Application No. 09/438,358, Gerard *et al.*, filed November 12, 1999, and submitted herewith as document AS109;

U.S. Patent Application No. 09/498,074, Hartley and Brasch, filed February 4, 2000, and submitted herewith as document AT109;

U.S. Patent Application No. 09/517,466, Hartley *et al.*, filed March 2, 2000, and submitted herewith as document AR110;

U.S. Patent Application No. 09/648,790, Hartley *et al.*, filed August 28, 2000, and submitted herewith as document AS110;

U.S. Patent Application No. 09/695,065, Brasch *et al.*, filed October 25, 2000, and submitted herewith as document AT110;

U.S. Patent Application No. 09/984,239, Brasch *et al.*, filed October 29, 2001, and submitted herewith as document AR111;

U.S. Patent Application No. 10/058,292, Hartley and Brasch, filed January 30, 2002, and submitted herewith as document AS111;

U.S. Patent Application No. 10/396,696, Hartley *et al.*, filed March 26, 2003, and submitted herewith as document AT111;

U.S. Patent Application No. 10/640,422, Cheo *et al.*, filed August 14, 2003, and submitted herewith as document AR112; and

U.S. Patent Application No. 10/454,793, Chesnut *et al.*, filed June 5, 2003, and submitted herewith as document AS112.

The identification of these U.S. Patent Applications is not to be construed as a waiver of secrecy as to these applications now or upon issuance of the present application as a

patent. The Examiner is respectfully requested to consider the cited applications and the art cited therein during examination.

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicants have listed publication dates on the attached PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith.

This Second Supplemental Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection, or Notice of Allowance, or an action that otherwise closes prosecution in the application. Payment of the fee under 37 C.F.R. § 1.17(p) is included with the First Supplemental Information

Disclosure Statement filed electronically herewith. It is believed that this fee covers both submissions.

It is respectfully requested that the Examiner initial and return a copy of the enclosed PTO-1449, and indicate in the official file wrapper of this patent application that the documents have been considered.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

A handwritten signature in black ink, appearing to read "Brian J. Del Buono", with a stylized flourish at the end.

Brian J. Del Buono

Attorney for Applicants

Registration No. 42, 473

Date: Nov. 4, 2003

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FORM PTO-1449

SECOND SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
0942.285000G/RWE/BJD/JKMAPPLICATION NO.
09/855,797APPLICANT
Hartley et al.FILING DATE
May 16, 2001GROUP
1636

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL6	EP 0 220 009	04/29/1987	Europe			Yes No
	AM6	WO 90/11375	10/04/1990	WIPO			Yes No
	AN6	EP 0 427 074	05/15/1991	Europe			Yes No
	AO6	WO 91/09957	07/11/1991	WIPO			Yes No
	AP6	WO 92/15694	09/17/1992	WIPO			Yes No

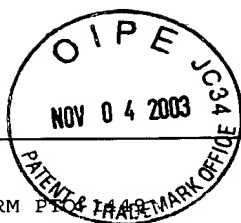
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR		
	AS		
	AT	62	Akagi, K., et al., "Cre-mediated somatic site-specific recombination in mice," Nucl. Acids Res. 25:1781-1788, Oxford University Press (May 1997).

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



FORM P-1144 SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 0942.285000G/RWE/BJD/JKM	APPLICATION NO. 09/855,797
	APPLICANT Hartley et al.	
	FILING DATE May 16, 2001	GROUP 1636

U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL7	EP 0 542 466 A2	05/19/1993	Europe			Yes No
	AM7	WO 94/03624 A1	02/17/1994	WIPO			Yes No
	AN7	WO 94/18333	08/18/1994	WIPO			Yes No
	AO7	WO 95/00555	01/05/1995	WIPO			Yes No
	AP7	WO 96/04393	02/15/1996	WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>63</u>	Aladjem, M.I., et al., "Positive Selection of FLP-Mediated Unequal Sister Chromatid Exchange Products in Mammalian Cells," <i>Mol. Cell. Biol.</i> 17:857-861, American Society for Microbiology (February 1997).
	AS	<u>63</u>	Angelastro, J.M., et al., "Identification of diverse nerve growth factor-regulated genes by serial analysis of gene expression (SAGE) profiling," <i>Proc. Natl. Acad. Sci. USA</i> 97:10424-10429, National Academy of Sciences (September 2000).
	AT	<u>63</u>	Angrand, P.O., et al., "Inducible expression based on regulated recombination: a single vector strategy for stable expression in cultured cells," <i>Nucl. Acids Res.</i> 26:3263-3269, Oxford University Press (July 1998).

EXAMINER

DATE CONSIDERED

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FORM PTO 449 SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 0942.285000G/RWE/BJD/JKM	APPLICATION NO. 09/855,797
	APPLICANT Hartley et al.	
	FILING DATE May 16, 2001	GROUP 1636

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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL8	WO 96/30498	10/03/1996	WIPO			Yes No
	AM8	WO 96/40722	12/19/1996	WIPO			Yes No
	AN8	WO 96/40724	12/19/1996	WIPO			Yes No
	AO8	WO 00/12687	03/09/2000	WIPO			Yes No
	AP8	WO 01/07572	02/01/2001	WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	64	Astumian, J.H., et al., "Site-specific Recombination Between Cloned attP and attB sites from the Haemophilus influenza Bacteriophage HP1 Propagated in Recombination Deficient Escherichia coli," J. Bacteriol. 171:1747-1750, American Society for Microbiology (1989).
	AS	64	Ayres, E.K., et al., "Precise Deletions in Large Bacterial Genomes by Vector-mediated Excision (VEX). The trfA Gene of Promiscuous Plasmid RK2 is Essential for Replication in Several Gram-negative Hosts," J. Mol. Biol. 230:174-185, Academic Press Limited (1993).
	AT	64	Backman, K., et al., "Use of Synchronous Site-Specific Recombination In Vivo to Regulate Gene Expression," Bio/Technology 2:1045-1049, Nature Pub. Co. (1984).

EXAMINER

DATE CONSIDERED

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FORM PTO-1449 SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 0942.285000G/RWE/BJD/JKM	APPLICATION NO. 09/855,797
	APPLICANT Hartley et al.	
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL9	WO 01/62892	08/30/2001	WIPO			Yes No
	AM9	WO 02/05294	01/17/2002	WIPO			Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	65	Bai, C., et al., "SKP1 Connects Cell Cycle Regulators to the Ubiquitin Proteolysis Machinery through a Novel Motif, the F-Box," Cell 86:263-274, Cell Press (July 1996).
	AS	65	Barnes, G., and Rine, J., "Regulated expression of endonuclease EcoRI in Saccharomyces cerevisiae: Nuclear entry and biological consequences," Proc. Natl. Acad. Sci. USA 82: 1354-1358, National Academy of Sciences (1985).
	AT	65	Bauer, C.E., et al., "Extent of Sequence Homology Required for Bacteriophage Lambda Site-specific Recombination," J. Mol. Biol. 181:187-197, Academic Press Inc. (1985).

EXAMINER	DATE CONSIDERED
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FORM PTO-1449

**SECOND SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT**

ATTY. DOCKET NO.
0942.285000G/RWE/BJD/JKM

APPLICATION NO.
09/855,797

APPLICANT
Hartley et al.

FILING DATE
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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>66</u>	Bernard, P., et al., "The F Plasmid CcdB Protein Induces Efficient ATP-dependent DNA Cleavage by Gyrase," <i>J. Mol. Biol.</i> 234:534-541, Academic Press, Inc. (1993).
	AS	<u>66</u>	Boshart, M., et al., "A Very Strong Enhancer is Located Upstream of an Immediate Early Gene of Human Cytomegalovirus," <i>Cell</i> 41:521-530, MIT (1985).
	AT	<u>66</u>	Bouhassira, E.E., et al., "Transcriptional Behavior of LCR Enhancer Elements Integrated at the Same Chromosomal Locus by Recombinase-Mediated Cassette Exchange," <i>Blood</i> 90:3332-3344, The American Society of Hematology (November 1997).

EXAMINER

DATE CONSIDERED

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FORM PTO-144 <u>SECOND SUPPLEMENTAL</u> <u>INFORMATION DISCLOSURE STATEMENT</u>	ATTY. DOCKET NO. 0942.285000G/RWE/BJD/JKM	APPLICATION NO. 09/855,797
	APPLICANT Hartley et al.	
	FILING DATE May 16, 2001	GROUP 1636

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FOREIGN PATENT DOCUMENTS

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>67</u>	Brent, R., and Ptashne, M., "A bacterial repressor protein or a yeast transcriptional terminator can block upstream activation of a yeast gene," <i>Nature</i> 312: 612-615, Macmillan Journals Ltd. (1984).
	AS	<u>67</u>	Burioni, R., et al., "An improved phage display vector for antibody repertoire cloning by construction of combinatorial libraries," <i>Res. Virol.</i> 148:161-164, Elsevier (1997).
	AT	<u>67</u>	Capone, J.P., et al., "Introduction of UAG, UAA, and UGA Nonsense Mutations at a Specific Site in the <i>Escherichia coli</i> Chloramphenicol Acetyltransferase Gene: Use in Measurement of Amber, Ochre, and Opal Suppression in Mammalian Cells," <i>Mol. Cell. Biol.</i> 6:3059-3067, American Society for Microbiology (1986).

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FORM PTO 1449 SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 0942.285000G/RWE/BJD/JKM	APPLICATION NO. 09/855,797
	APPLICANT Hartley et al.	
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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	68	Chanock, R.M., et al., "Human Monoclonal Antibody Fab Fragments Cloned from Combinatorial Libraries: Potential Usefulness in Prevention and/or Treatment of Major Human Viral Diseases," <i>Infect. Agents Dis.</i> 2:118-131, Raven Press (1993).
AS	68	Cherepanov, P.P., and Wackernagel, W., "Gene disruption in <i>Escherichia coli</i> : Tc ^R and Km ^R cassettes with the option of FLP-catalyzed excision of the antibiotic-resistance determinant," <i>Gene</i> 158:9-14, Elsevier Science B.V. (1995).
AT	68	Chong, S., et al., "Single-column purification of free recombinant proteins using a self-cleavable affinity tag derived from a protein splicing element," <i>Gene</i> 192:271-281, Elsevier Science B.V. (1997).

EXAMINER

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FORM PTO-1449 <u>SECOND SUPPLEMENTAL</u> <u>INFORMATION DISCLOSURE STATEMENT</u>	ATTY. DOCKET NO. 0942.285000G/RWE/BJD/JKM	APPLICATION NO. 09/855,797
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	AO						Yes No
	AP						Yes No

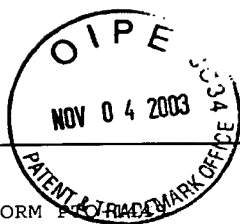
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>69</u>	Choulika, A., et al., "Transfer of single gene-containing long terminal repeats into the genome of mammalian cells by a retroviral vector carrying the cre gene and the loxP site," <i>Journal of Virol.</i> 70:1792-1798, American Society for Microbiology (1996).
	AS	<u>69</u>	Chuang, C-F., et al., "Specific and heritable genetic interference by double-stranded RNA in <i>Arabidopsis thaliana</i> ," <i>Proc. Natl. Acad. Sci. USA</i> 97:4985-4990, National Academy of Sciences (April 2000).
	AT	<u>69</u>	Cigan, A.M., et al., "Mutational Analysis of the <i>HIS4</i> Translational Initiator Region in <i>Saccharomyces cerevisiae</i> ," <i>Mol. Cell. Biol.</i> 8:2964-2975, American Society for Microbiology (1998).

EXAMINER

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FORM PTO-1419 SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 0942.285000G/RWE/BJD/JKM	APPLICATION NO. 09/855,797
	APPLICANT Hartley et al.	
	FILING DATE May 16, 2001	GROUP 1636

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	AP						Yes No

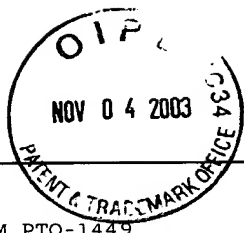
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	AR	<u>70</u>	CLONTECH, "Creator™ Gene Cloning & Expression System," CLONTECHniques 15:7-11, CLONTECH (April 2000).
	AS	<u>70</u>	CLONTECH, "New Additions to the Creator™ Platform," CLONTECHniques 16:1-4, CLONTECH (January 2001).
	AT	<u>70</u>	CLONTECH, "New Creator™ -Compatible Expression Systems," CLONTECHniques 15:2 pages, CLONTECH (October 2000).

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FORM PTO-1449

**SECOND SUPPLEMENTAL
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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>71</u>	CLONTECH, "Creator™ Acceptor Vector Construction Kits" CLONTECHniques 16:2 pages, CLONTECH (October 2001).
	AS	<u>71</u>	CLONTECH, "Creator™ SMART™ Library Construction Kit," CLONTECHniques 16:2 pages, CLONTECH (October 2001).
	AT	<u>71</u>	CLONTECH, "Creator™: The Universal Platform for Analysis of Gene Function," Powerpoint Presentation, pp. 1-9, CLONTECH (July 24, 2001), available at http://www.clontech.com/products/families/creator/popups/slpage1.shtml .

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0942.285000G/RWE/BJD/JKMAPPLICATION NO.
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1636**U.S. PATENT DOCUMENTS**

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	<u>72</u>	CLONTECH, "Creator™ pDNR-Dual Cloning Kit," <i>CLONTECHniques</i> 16:3 pages, CLONTECH (October 2001).
AS	<u>72</u>	Collis, C.M., and Hall, R.M., "Expression of Antibiotic Resistance Genes in the Integrated Cassettes of Integrins," <i>Antimicrobial Agents and Chemotherapy</i> 39:155-162, American Society for Microbiology (1995).
AT	<u>72</u>	Cormack, B., "Directed Mutagenesis Using the Polymerase Chain Reaction," in <i>Current Protocols in Molecular Biology</i> , Ausubel, F.M., et al., eds., John Wiley & Sons, Inc., pp. 8.5.1-8.5.10 (1997).

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AR	73	Curcio, M.J., and Garfinkel, D.J., "Single-step selection for Ty1 element retrotransposition," <i>Proc. Natl. Acad. Sci. USA</i> 88:936-940, National Academy of Sciences (1991).	
AS	73	Datson, N.A., et al., "MicroSAGE: a modified procedure for serial analysis of gene expression in limited amounts of tissue," <i>Nucl. Acids Res.</i> 27:1300-1307, Oxford University Press (March 1999).	
AT	73	Davis, C.R., et al., "Analysis of the Mechanisms of Action of the <i>Saccharomyces cerevisiae</i> Dominant Lethal <i>cdc42^{G12V}</i> and Dominant Negative <i>cdc42^{D118A}</i> Mutations," <i>J. Biol. Chem.</i> 273:849-858, The American Society for Biochemistry and Molecular Biology, Inc. (1998).	

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AR	<u>74</u>	Deng, M.-D., and Coleman, J.R., "Ethanol Synthesis by Genetic Engineering in Cyanobacteria," <i>Appl. Environ. Microbiol.</i> 65:523-528, American Society for Microbiology (February 1999).
AS	<u>74</u>	Derbyshire, V., and Belfort, M., "Lightning strikes twice: Intron-intein coincidence," <i>Proc. Natl. Acad. Sci. USA</i> 95:1356-1357, National Academy of Sciences (1998).
AT	<u>74</u>	Dijkema, R., et al., "Cloning and Expression of the Chromosomal Immune Interferon Gene of the Rat," <i>EMBO J.</i> 4:761-767, IRL Press Limited (1985).

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	AR	<u>75</u>	Enquist, L.W., and Weisberg, R.A., "The Red Plaque Test: A Rapid Method for Identification of Excision Defective Variants of Bacteriophage Lambda," <i>Virology</i> 72: 147-153, Academic Press, Inc. (1976).
	AS	<u>75</u>	Esposito, D., and Scocca, J.J., "The integrase family of tyrosine recombinases: evolution of a conserved active site domain," <i>Nucl. Acids Res.</i> 25:3605-3614, Oxford University Press (1997).
	AT	<u>75</u>	Feinbaum, R., "Vectors Derived from Plasmids," in <i>Current Protocols in Molecular Biology</i> , Ausubel, F.M., et al., eds., John Wiley & Sons, Inc., New York, NY, pp. 1.5.1-1.5.17 (1998).

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AR	<u>76</u>	Flanagan, P.M., and Fennwald, M.A., "Analysis of Inhibitors of the Site-specific Recombination Reaction Mediated by TN3 Resolvase," <i>J. Mol. Biol.</i> 206:295-304, Academic Press Limited (1989).	
AS	<u>76</u>	Flores, A., et al., "A protein-protein interaction map of yeast RNA polymerase III," <i>Proc. Natl. Acad. Sci. USA</i> 96:7815-7820, National Academy of Sciences (July 1999).	
AT	<u>76</u>	Francia, M.V., et al., "The IntI1 Integron Integrase Preferentially Binds Single-Stranded DNA of the attC Site," <i>J. Bacteriol.</i> 181:6844-6849, American Society for Microbiology (1999).	

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	AR	77	Gateway™ Cloning Technology, Version 1, GIBCO BRL, Life Technologies Instruction Manual, pp. 1-60 (November 1999).
	AS	77	Gay, P., et al., "Positive Selection Procedure for Entrapment of Insertion Sequence Elements in Gram-Negative Bacteria," J. Bacteriol. 164:918-921, American Society for Microbiology (1985).
	AT	77	Gay, P., et al., "Cloning Structural Gene <i>sacB</i> , which Codes for Exoenzyme Levansucrase of <i>Bacillus Subtilis</i> : Expression of the Gene in <i>Escherichia coli</i> ," J. Bacteriol. 153:1424-1431, American Society for Microbiology (1983).

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	AR	78	Gorman, C.M., et al. "The Rous Sarcoma Virus Long Terminal Repeat is a Strong Promoter when Introduced into a Variety of Eukaryotic Cells by DNA-mediated Transfection," <i>Proc. Natl. Acad. Sci. USA</i> 79:6777-6781, National Academy of Sciences (1982).
	AS	78	Götz, F., et al., "Escherichia coli 30S mutants lacking protein S20 are defective in translation initiation," <i>Biochim. Biophys. Acta</i> 1050:93-97, Elsevier Science B.V. (1990).
	AT	78	Green, R., and Noller, H.F., "Ribosomes and Translation," <i>Ann. Rev. Biochem.</i> 66:679-716, Annual Reviews, Inc. (1997).

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>79</u>	Grindly, N.D.F., and Kelley, W.S., "Effects of Different Alleles of the <i>E. coli</i> K12 <i>polA</i> Gene on the Replication of Non-transferring Plasmids," <i>Molec. Gen. Genet.</i> 143:311-318, Springer Verlag (1976).
	AS	<u>79</u>	Gronostajski, R.M., and Sadowski, P.D., "The FLP Protein of the 2-micron Plasmid of Yeast. Inter- and Intramolecular Reactions," <i>J. Biol. Chem.</i> 260:12328-12335, The American Society of Biological Chemists, Inc. (1985).
	AT	<u>79</u>	Haffter, P., and Bickle, T.A., "Enhancer-independent mutants of the <i>Cin</i> Recombinase have a Relaxed Topological Specificity," <i>EMBO J.</i> 7:3991-3996, IRL Press Limited (1988).

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>80</u>	Hancock, R.E.W., and Scott, M.G., "The role of antimicrobial peptides in animal defenses," <i>Proc. Natl. Acad. Sci. USA</i> 97:8856-8861, National Academy of Sciences (August 2000).
	AS	<u>80</u>	Hehl, R., et al., "Structural analysis of Tam3, a transposable element from <i>Antirrhinum majus</i> , reveals homologies to the Ac element from maize," <i>Plant Molec. Biol.</i> 16:369-371, Kluwer Academic Publishers (1991).
	AT	<u>80</u>	Henikoff, S., "Unidirectional digestion with exonuclease III creates targeted breakpoints for DNA sequencing," <i>Gene</i> 28:351-359, Elsevier Science Publishers (1984).

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	AR	<u>81</u>	Hochuli, E., et al., "Genetic Approach to Facilitate Purification of Recombinant Proteins with a Novel Metal Chelate Adsorbent," <i>Bio/Technology</i> 6: 1321-1325, Nature Pub. Co. (1988).
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	AT	<u>81</u>	Iida, et al., "A site specific, conservative recombination system carried by bacteriophage P1. Mapping of the recombinase gene <i>cin</i> and the crossover sites <i>cix</i> for the inversion of the <i>c</i> segment," <i>The EMBO Journal</i> . 1:1445-1453, IRL Press Ltd. (1982).

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	AR	<u>82</u>	Iino, T., and Kutsukake, K., "Trans-acting Genes of Bacteriophages P1 and Mu Mediate Inversion of a Specific DNA Segment Involved in Flagellar Phase Variation of <i>Salmonella</i> ," <i>Cold Spring Harbor Symposia on Quantitative Biology</i> 45:11-16, Cold Spring Harbor Laboratory Press (1981).
	AS	<u>82</u>	Jeong, J.-H., et al., "Cloning and nucleotide sequencing of the genes, <i>rplU</i> and <i>rpmA</i> , for ribosomal proteins L21 and L27 of <i>Escherichia coli</i> ," <i>DNA Seq.</i> 4:59-67, Harwood Academic Publishers (1993).
	AT	<u>82</u>	Johnson, R.C., et al., "Isolation of the gene encoding the Hin recombinational enhancer binding protein," <i>Proc. Natl. Acad. Sci. USA</i> 85:3484-3488, National Academy of Sciences (1998).

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	AR	<u>83</u>	Kaniga, K., et al., "A Wide-host-range suicide Vector for Improving Reverse Genetics in Gram-negative Bacteria: Inactivation of the <i>blaA</i> Gene of <i>Yersinia enterocolitica</i> ," <i>Gene</i> 109:137-141, Elsevier Science B.V. (1991).
	AS	<u>83</u>	Katz, L., et al., "Site-specific recombination in <i>Escherichia coli</i> between the att sites of plasmid pSE211 from <i>Saccharopolyspora erythraea</i> ," <i>Mol. Gen. Genet.</i> 227:155-159, Springer-Verlag (1991).
	AT	<u>83</u>	Kealey, J.T., et al., "Production of Polyketide Natural Product in Nonpolyketide-producing Prokaryotic and Eukaryotic Hosts," <i>Proc. Natl. Acad. Sci. USA</i> 95:505-509, National Academy of Sciences (January 1998).

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	AR	<u>84</u>	Kholodenko, B.N., et al., "Metabolic Design: How to Engineer a Living Cell to Desired Metabolite Concentrations and Fluxes," <i>Biotechnol. Bioengineer.</i> 59:239-247, John Wiley & Sons (1998).
	AS	<u>84</u>	Kim, D.W., "Use of the Human Elongation Factor 1 α Promoter as a Versatile and Efficient Expression System," <i>Gene</i> 91:217-223, Elsevier Science B.V. (1990).
	AT	<u>84</u>	Kitts, P.A., and Nash, H.A., "Bacteriophage Lambda Site-Specific Recombination Proceeds with a Defined Order of Strand Exchanges," <i>J. Mol. Biol.</i> 204:95-107, Academic Press, Inc. (1988).

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AR	<u>85</u>	Klippel, A., et al., "Isolation and characterization of unusual <i>gin</i> mutants," <i>The EMBO Journal</i> 7:3983-3989, IRL Press Inc. (1988).
AS	<u>85</u>	Koch, C., et al., "Escherichia coli host factor for site-specific DNA inversion: Cloning and characterization of the <i>fis</i> gene," <i>Proc. Natl. Acad. Sci. USA</i> 85:4237-4241, National Academy of Sciences (1988).
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FORM PTO-1449 SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 0942.285000G/RWE/BJD/JKM	APPLICATION NO. 09/855,797
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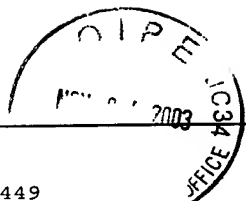
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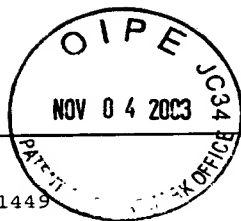
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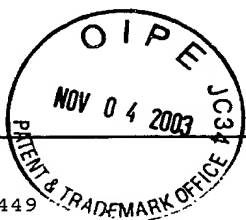
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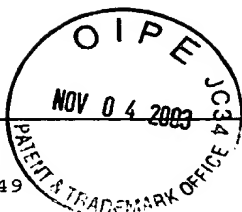
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AT	<u>97</u>	Phillips-Jones, M.K., et al., "Context Effects on Misreading and Suppression at UAG Codons in Human Cells," Mol. Cell. Biol. 15:6593-6600, American Society for Microbiology (1995).

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	AR	<u>102</u>	Schnepf, E., et al., "Bacillus thuringiensis and Its Pesticidal Crystal Proteins," <i>Microbiol. Mol. Biol. Rev.</i> 62:775-806, American Society for Microbiology (1998).
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	AR	<u>109</u>	Co-Pending Non-Provisional United States Patent Application No. 09/177,387, Hartley et al., filed on 10/23/1998 (NOT PUBLISHED).
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	AS	<u>110</u>	Co-Pending Non-Provisional United States Patent Application No. 09/648,790, Hartley et al., filed on 08/28/2000 (NOT PUBLISHED).
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